

Appln. No. 09/805,833  
Amendment After Final Rejection filed January 22, 2004  
Response to Office Action dated August 14, 2003

1. (Currently Amended) A color laser display comprising:  
a red laser light source for emitting red laser light;  
a green laser light source for emitting green laser light;  
a blue laser light source for emitting blue laser light;  
modulation means for modulating said red laser light, said green laser light,  
and said blue laser light, based on a red image signal, a green image signal, and a blue image  
signal;  
a screen for displaying red, green, and blue when irradiated with said red laser  
light, said green laser light, and said blue laser light; and  
projection means for projecting said red laser light, said green laser light, and  
said blue laser light onto said screen so that an image, carrying said red, green, and blue  
image signals, is displayed on said screen;  
wherein an excitation solid laser unit, having a solid-state laser crystal  
comprising a  $\text{Pr}^{3+}:\text{LiF}_4$  crystal doped with  $\text{Pr}^{3+}$  and a GaN semiconductor laser element  
emitting excitation light at a wavelength of 440 nm for exciting said solid-state laser crystal,  
is employed as at least one of said red laser light source, said green laser light source, or said  
blue laser light source.

2. (Original) A color laser display according to claim 1, wherein said excitation  
solid laser unit emits laser light of wavelength 600 to 660 nm by a transition of  $^3\text{P}_0 \rightarrow ^3\text{F}_2$  or  
 $^3\text{P}_0 \rightarrow ^3\text{H}_6$  and is employed as said red laser light source.

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3. (Original) A color laser display according to claim 1, wherein said excitation solid laser unit emits laser light of wavelength 515 to 555 nm by a transition of  $^3P_1 \rightarrow ^3H_5$  and is employed as said green laser light source.

4. (Original) A color laser display according to claim 2, wherein said excitation solid laser unit emits laser light of wavelength 515 to 555 nm by a transition of  $^3P_1 \rightarrow ^3H_5$  and is employed as said green laser light source.

5. (Original) A color laser display according to claim 1, wherein said excitation solid laser unit emits laser light of wavelength 465 to 495 nm by a transition of  $^3P_1 \rightarrow ^3H_4$  and is employed as said blue laser light source.

6. (Original) A color laser display according to claim 2, wherein said excitation solid laser unit emits laser light of wavelength 465 to 495 nm by a transition of  $^3P_0 \rightarrow ^3H_4$  and is employed as said blue laser light source.

7. (Original) A color laser display according to claim 3, wherein said excitation solid laser unit emits laser light of wavelength 465 to 495 nm by a transition of  $^3P_0 \rightarrow ^3H_4$  and is employed as said blue laser light source.

8. (Currently Amended) A color laser display comprising:  
a red laser light source for emitting red laser light;

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a green laser light source for emitting green laser light;  
a blue laser light source for emitting blue laser light;  
modulation means for modulating said red laser light, said green laser light, and  
said blue laser light, based on a red image signal, a green image signal, and a blue image signal;  
a screen for displaying red, green, and blue when irradiated with said red laser  
light, said green laser light, and said blue laser light; and  
projection means for projecting said red laser light, said green laser light, and  
said blue laser light onto said screen so that an image, carrying said red, green, and blue  
image signals, is displayed on said screen;

wherein a fiber laser unit, having a fiber, that is one of a Zr fluoride glass-  
doped fiber and an In/Ga fluoride glass fiber, with a  $\text{Pr}^{3+}$ -doped core and a GaN  
semiconductor laser element emitting excitation light at a wavelength of 440 nm for exciting  
said fiber, is employed as at least one of said red laser light source, said green laser light  
source, or said blue laser light source.

9. (Original) A color laser display according to claim 8, wherein said fiber  
laser unit emits laser light of wavelength 600 to 660 nm by a transition of  $^3\text{P}_0 \rightarrow ^3\text{F}_2$  or  $^3\text{P}_0 \rightarrow$   
 $^3\text{H}_6$  and is employed as said red laser light source.

10. (Original) A color laser display according to claim 8, wherein said fiber  
laser unit emits laser light of wavelength 515 to 555 nm by a transition of  $^3\text{P}_1 \rightarrow ^3\text{H}_5$  and is  
employed as said green laser light source.

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11. (Original) A color laser display according to claim 9, wherein said fiber laser unit emits laser light of wavelength 515 to 555 nm by a transition of  $^3P_1 \rightarrow ^3H_5$  and is employed as said green laser light source.

12. (Original) A color laser display according to claim 8, wherein said fiber laser unit emits laser light of wavelength 465 to 495 nm by a transition of  $^3P_0 \rightarrow ^3F_4$  and is employed as said blue laser light source.

13. (Original) A color laser display according to claim 9, wherein said fiber laser unit emits laser light of wavelength 465 to 495 nm by a transition of  $^3P_0 \rightarrow ^3F_4$  and is employed as said blue laser light source.

14. (Original) A color laser display according to claim 10, wherein said fiber laser unit emits laser light of wavelength 465 to 495 nm by a transition of  $^3P_0 \rightarrow ^3F_4$  and is employed as said blue laser light source.

15-28. (Cancelled).

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